

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

International Application No. PCT/FR 03/03449

International Filing Date

10/534462

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference

(if desired) (12 characters maximum) PA1649WO

Box No. I TITLE OF INVENTION

INTEGRATED CIRCUIT COMPRISING SERIES-CONNECTED SUBASSEMBLIES

Box No. II APPLICANT

☐ This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

COMMISSARIAT A L'ENERGIE ATOMIQUE
31-33 Rue de la Federation
F-75752 PARIS
France

Telephone No.

Facsimile No.

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality:

FRANCE

State (that is, country) of residence:

FRANCE

This person is applicant for the purposes of:

☐

all designated States

☒

all designated States except the United States of America

☐

the United States of America only

☐

the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

CHATROUX Daniel
1 allée Maurice Ravel
F-26200 MONTELMAR
France

This person is:

☐

applicant only

☒

applicant and inventor

☐

inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

FRANCE

State (that is, country) of residence:

FRANCE

This person is applicant for the purposes of:

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the United States of America only

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the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

☒

agent

☐

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Gerard HECKE / Marie-Andree JOUVRAY
Cabinet HECKE
WTC Europole, 5 place Robert Schuman - BP 1537
F-38025 GRENOBLE Cedex 1
FRANCE

Telephone No.
+33 4 76 84 95 45

Facsimile No.
+33 4 76 84 95 48

Teleprinter No.

Agent's registration No. with the Office

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III

FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BELLEVILLE Marc
12 rue de Chantemerle
F-38120 SAINT EGREVE
France

This person is:

- ☐ applicant only
☒ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

FRANCE

State (that is, country) of residence:

FRANCE

This person is applicant for the purposes of:

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This person is:

- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

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- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

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all designated States

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all designated States except the United States of America

☐

the United States of America only

☐

the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only
☐ applicant and inventor
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

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all designated States

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all designated States except the United States of America

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the United States of America only

☐

the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.

Box No. V DESIGNATION OF STATES *Mark the applicable check-boxes below; at least one must be marked.*

The following designations are hereby made under Rule 4.9(a):

Regional Patent

- ☐ **AP ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line) _____
- ☐ **EA Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP European Patent:** AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☐ **OA OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) _____

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | | |
|--|---|---|
| <input type="checkbox"/> AE United Arab Emirates | <input type="checkbox"/> HR Croatia | <input type="checkbox"/> OM Oman |
| <input type="checkbox"/> AG Antigua and Barbuda | <input type="checkbox"/> HU Hungary | <input type="checkbox"/> PG Papua New Guinea |
| <input type="checkbox"/> AL Albania | <input type="checkbox"/> ID Indonesia | <input type="checkbox"/> PH Philippines |
| <input type="checkbox"/> AM Armenia | <input type="checkbox"/> IL Israel | <input type="checkbox"/> PL Poland |
| <input type="checkbox"/> AT Austria | <input type="checkbox"/> IN India | <input type="checkbox"/> PT Portugal |
| <input type="checkbox"/> AU Australia | <input type="checkbox"/> IS Iceland | <input type="checkbox"/> RO Romania |
| <input type="checkbox"/> AZ Azerbaijan | <input checked="" type="checkbox"/> JP Japan | <input type="checkbox"/> RU Russian Federation |
| <input type="checkbox"/> BA Bosnia and Herzegovina | <input type="checkbox"/> KE Kenya | <input type="checkbox"/> SC Seychelles |
| <input type="checkbox"/> BB Barbados | <input type="checkbox"/> KG Kyrgyzstan | <input type="checkbox"/> SD Sudan |
| <input type="checkbox"/> BG Bulgaria | <input type="checkbox"/> KP Democratic People's Republic of Korea | <input type="checkbox"/> SE Sweden |
| <input type="checkbox"/> BR Brazil | <input type="checkbox"/> KR Republic of Korea | <input type="checkbox"/> SG Singapore |
| <input type="checkbox"/> BY Belarus | <input type="checkbox"/> KZ Kazakhstan | <input type="checkbox"/> SK Slovakia |
| <input type="checkbox"/> BZ Belize | <input type="checkbox"/> LC Saint Lucia | <input type="checkbox"/> SL Sierra Leone |
| <input type="checkbox"/> CA Canada | <input type="checkbox"/> LK Sri Lanka | <input type="checkbox"/> SY Syrian Arab Republic |
| <input type="checkbox"/> CH & LI Switzerland and Liechtenstein | <input type="checkbox"/> LR Liberia | <input type="checkbox"/> TJ Tajikistan |
| <input type="checkbox"/> CN China | <input type="checkbox"/> LS Lesotho | <input type="checkbox"/> TM Turkmenistan |
| <input type="checkbox"/> CO Colombia | <input type="checkbox"/> LT Lithuania | <input type="checkbox"/> TN Tunisia |
| <input type="checkbox"/> CR Costa Rica | <input type="checkbox"/> LU Luxembourg | <input type="checkbox"/> TR Turkey |
| <input type="checkbox"/> CU Cuba | <input type="checkbox"/> LV Latvia | <input type="checkbox"/> TT Trinidad and Tobago |
| <input type="checkbox"/> CZ Czech Republic | <input type="checkbox"/> MA Morocco | <input type="checkbox"/> TZ United Republic of Tanzania |
| <input type="checkbox"/> DE Germany | <input type="checkbox"/> MD Republic of Moldova | <input type="checkbox"/> UA Ukraine |
| <input type="checkbox"/> DK Denmark | <input type="checkbox"/> MG Madagascar | <input type="checkbox"/> UG Uganda |
| <input type="checkbox"/> DM Dominica | <input type="checkbox"/> MK The former Yugoslav Republic of Macedonia | <input checked="" type="checkbox"/> US United States of America |
| <input type="checkbox"/> DZ Algeria | <input type="checkbox"/> MN Mongolia | <input type="checkbox"/> UZ Uzbekistan |
| <input type="checkbox"/> EC Ecuador | <input type="checkbox"/> MW Malawi | <input type="checkbox"/> VC Saint Vincent and the Grenadines |
| <input type="checkbox"/> EE Estonia | <input type="checkbox"/> MX Mexico | <input type="checkbox"/> VN Viet Nam |
| <input type="checkbox"/> ES Spain | <input type="checkbox"/> MZ Mozambique | <input type="checkbox"/> YU Serbia and Montenegro |
| <input type="checkbox"/> FI Finland | <input type="checkbox"/> NI Nicaragua | <input type="checkbox"/> ZA South Africa |
| <input type="checkbox"/> GB United Kingdom | <input type="checkbox"/> NO Norway | <input type="checkbox"/> ZM Zambia |
| <input type="checkbox"/> GD Grenada | <input type="checkbox"/> NZ New Zealand | <input type="checkbox"/> ZW Zimbabwe |
| <input type="checkbox"/> GE Georgia | | |
| <input type="checkbox"/> GH Ghana | | |
| <input type="checkbox"/> GM Gambia | | |

Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet:

- ☐ _____ ☐ _____ ☐ _____

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except the designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 25/11/2002	02 14763	FRANCE		
item (2)				
item (3)				
item (4)				
item (5)				

☐ Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

☐ all items ☒ item (1) ☐ item (2) ☐ item (3) ☐ item (4) ☐ item (5) ☐ other, see Supplemental Box

*Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA /EP.....

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)	Number	Country (or regional Office)
25/11/2002	02 14763	FRANCE

Box No. VIII DECLARATIONS

The following **declarations** are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

<input type="checkbox"/> Box No. VIII (i)	Declaration as to the identity of the inventor	:	Number of declarations
<input type="checkbox"/> Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	:	
<input type="checkbox"/> Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	:	
<input type="checkbox"/> Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America)	:	
<input type="checkbox"/> Box No. VIII (v)	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:	:	

Box No. IX CHECK LIST; LANGUAGE OF FILING

This international application contains:	This international application is accompanied by the following item(s) (<i>mark the applicable check-boxes below and indicate in right column the number of each item</i>):	Number of items
(a) in paper form , the following number of sheets:		
request (including declaration sheets) : 5	1. <input type="checkbox"/> fee calculation sheet	:
description (excluding sequence listings and/or tables related thereto) : 11	2. <input checked="" type="checkbox"/> original separate power of attorney	: 1
claims : 3	3. <input type="checkbox"/> original general power of attorney	:
abstract : 1	4. <input type="checkbox"/> copy of general power of attorney; reference number, if any:	:
drawings : 3	5. <input type="checkbox"/> statement explaining lack of signature	:
Sub-total number of sheets : 23	6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s):	:
sequence listings :	7. <input type="checkbox"/> translation of international application into (language):	:
tables related thereto :	8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material	:
(<i>for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below</i>) :	9. <input type="checkbox"/> sequence listing in computer readable form (<i>indicate type and number of carriers</i>)	:
Total number of sheets : 23	(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	:
(b) <input type="checkbox"/> only in computer readable form (Section 801(a)(i))	(ii) <input type="checkbox"/> (<i>only where check-box (b)(i) or (c)(i) is marked in left column</i>) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:
(i) <input type="checkbox"/> sequence listings	(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listings mentioned in left column	:
(ii) <input type="checkbox"/> tables related thereto	10. <input type="checkbox"/> tables in computer readable form related to sequence listings (<i>indicate type and number of carriers</i>)	:
(c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii))	(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	:
(i) <input type="checkbox"/> sequence listings	(ii) <input type="checkbox"/> (<i>only where check-box (b)(ii) or (c)(ii) is marked in left column</i>) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:
(ii) <input type="checkbox"/> tables related thereto	(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column	:
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	11. <input checked="" type="checkbox"/> other (<i>specify</i>): Search Report	: 1
<input type="checkbox"/> sequence listings		
<input type="checkbox"/> tables related thereto		
(<i>additional copies to be indicated under item 9(ii), in right column</i>)		
Figure of the drawings which should accompany the abstract: 1	Language of filing of the international application: French	

Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Marie-Andree JOUVRAY
 Cabinet HECKE
 WTC Europole - 5 Place Robert Schuman
 BP 1537
 38025 Grenoble Cedex 1, France (FR)


Grenoble, 21 November 2003

For receiving Office use only

1. Date of actual receipt of the purported international application: 21 November 2003	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA /	
6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid	

For International Bureau use only

Date of receipt of the record copy by the International Bureau:

U.S. APPLICATION NO. 10/53446 New U.S. National Stage of PCT/FR2003/003449		INTERNATIONAL APPLICATION NO. PCT/FR2003/003449		ATTORNEY DOCKET NUMBER 12388	
21. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492(a)): \$ 300.00				\$300.00	
SEARCH FEE (37 CFR 1.492(b)(1)-(3)):				\$400.00	
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA..... \$ 100.00					
International search report provided to USPTO no later than the time at which the search fee is paid \$ 400.00					
All situations not provided for above \$ 500.00					
EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):				\$200.00	
International preliminary examination report prepared by the USPTO as IPEA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage \$ 100.00					
All situations not provided for above \$ 200.00					
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
TOTAL PAGES OF APPLICATION OVER 100 (- 100)		÷ 50	= †	x 250 =	\$
†round up to next integer					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
TOTAL CLAIMS	15 - 20	= 0	x 50.00 =	\$	
INDEPENDENT CLAIMS	1 - 3	= 0	x 200.00 =	\$	
MULTIPLE DEPENDENT CLAIM(S)(if applicable)			+ 360.00 =	\$	
TOTAL OF ABOVE CALCULATIONS =				\$900.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$900.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$900.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
TOTAL FEES ENCLOSED =				\$900.00	
				Amount to be refunded: \$	
				charged: \$	
a. <input checked="" type="checkbox"/> Check No. 166516 in the amount of \$900.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461 . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944					
Date <u>May 11, 2005</u>			 NAME: William P. Berridge REGISTRATION NUMBER: 30,024		
			NAME: Thomas J. Pardini REGISTRATION NUMBER: 30,411		